

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4068 - L2 Version 4
Chandra X-Ray Center

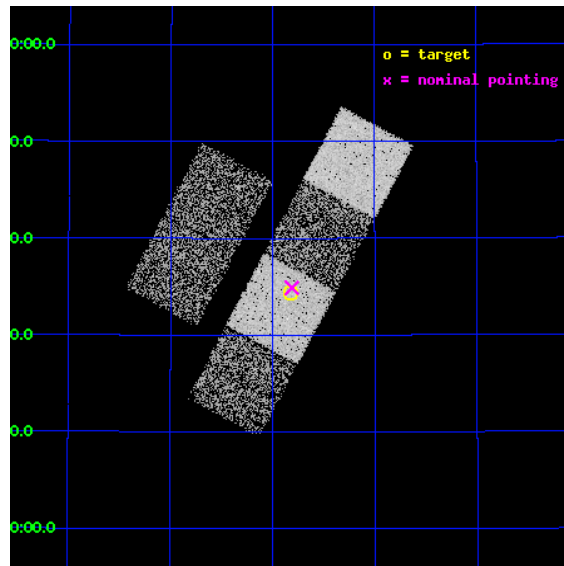
L2 Processing Date : Oct 19 2012

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1 Front

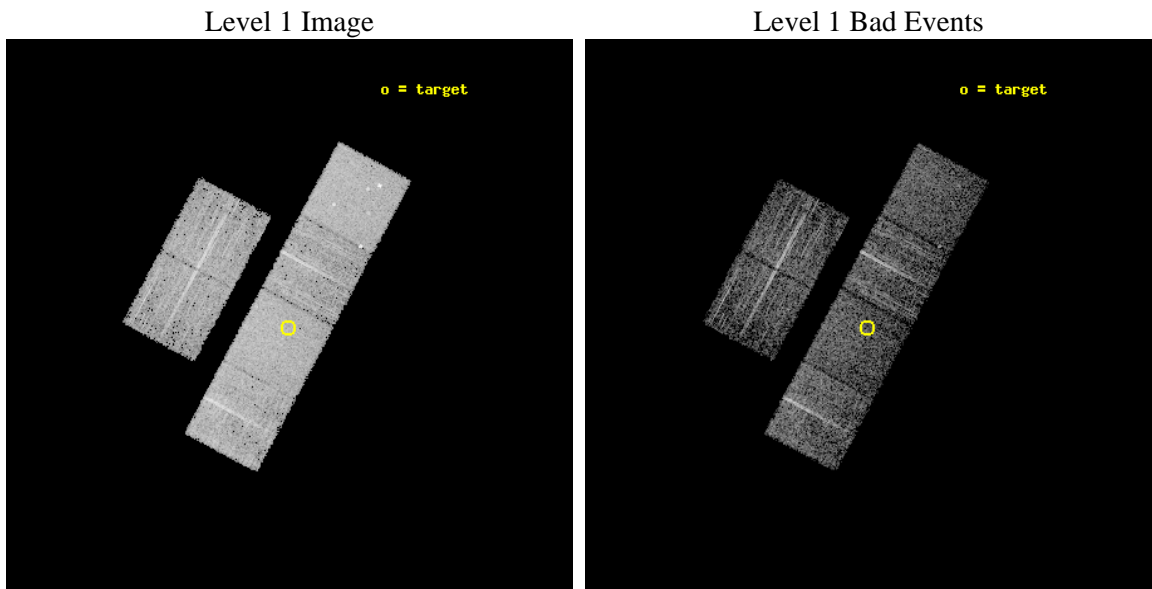
seq_num	700747	Sequence number
obs_id	4068	Observation id
title	A CHANDRA SURVEY OF THE MOST LUMINOUS QUASARS AT $Z > 4$	Proposal titl
observer	Dr Cristian Vignali	Principal investigator
object	PSS 0747+4434	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	116.957083	Observer's specified target RA [deg]
dec_targ	44.57225	Observer's specified target Dec [deg]
ra_nom	116.95288123107	Nominal RA [deg]
dec_nom	44.581424817119	Nominal Dec [deg]
roll_nom	118.13924232395	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4591.9999828935	Sum of GTIs [s]
livetime	4533.8533141396	Livetime [s]
ontime2	4591.9999828935	Sum of GTIs [s]
ontime3	4591.9999828935	Sum of GTIs [s]
ontime5	4591.9999828935	Sum of GTIs [s]
ontime6	4591.9999828935	Sum of GTIs [s]
ontime7	4591.9999828935	Sum of GTIs [s]
ontime8	4588.7590126097	Sum of GTIs [s]
l2events	43817	Number of level 2 events



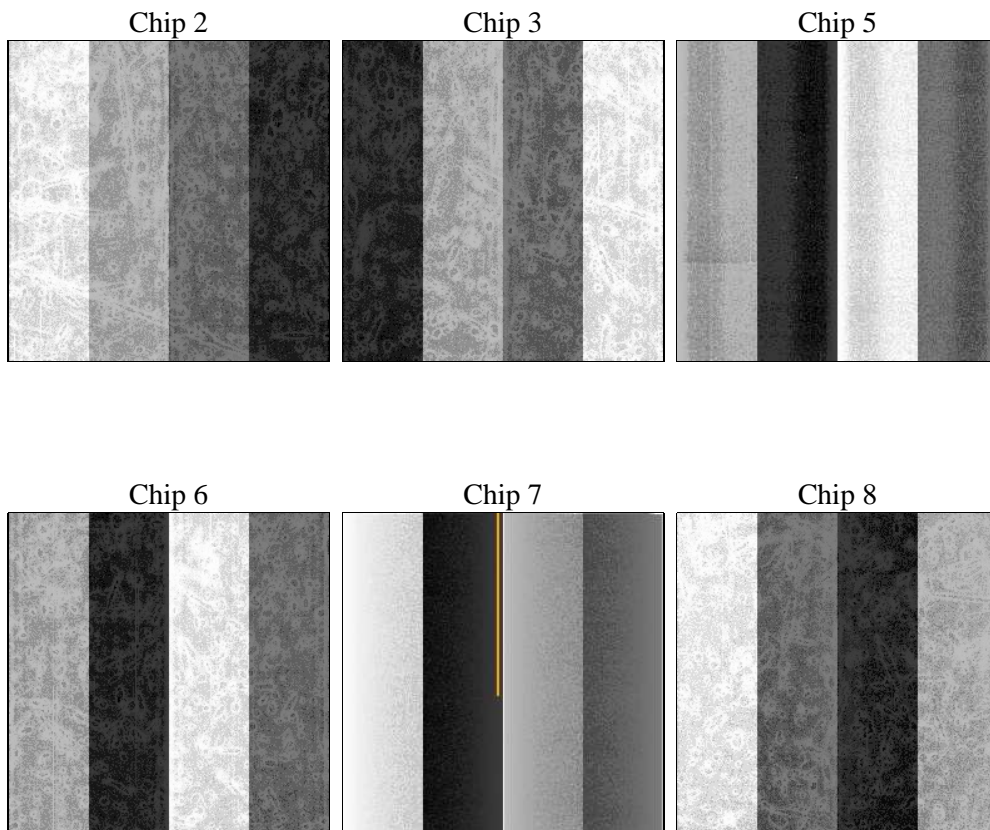
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4839.263000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4591.9999828935	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4591.9999828935	Sum of GTIs [s]
date	2012-10-19T05:36:19	Date and time of file creation	ontime3	4591.9999828935	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	4591.9999828935	Sum of GTIs [s]
			ontime6	4591.9999828935	Sum of GTIs [s]
			ontime7	4591.9999828935	Sum of GTIs [s]
			ontime8	4588.7590126097	Sum of GTIs [s]
			l1events	200411	Number of level 1 events

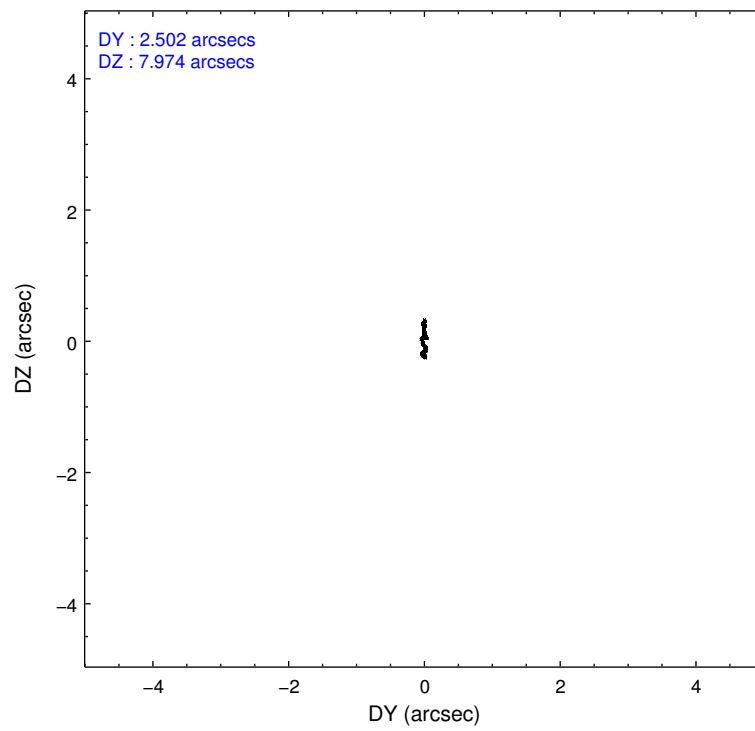
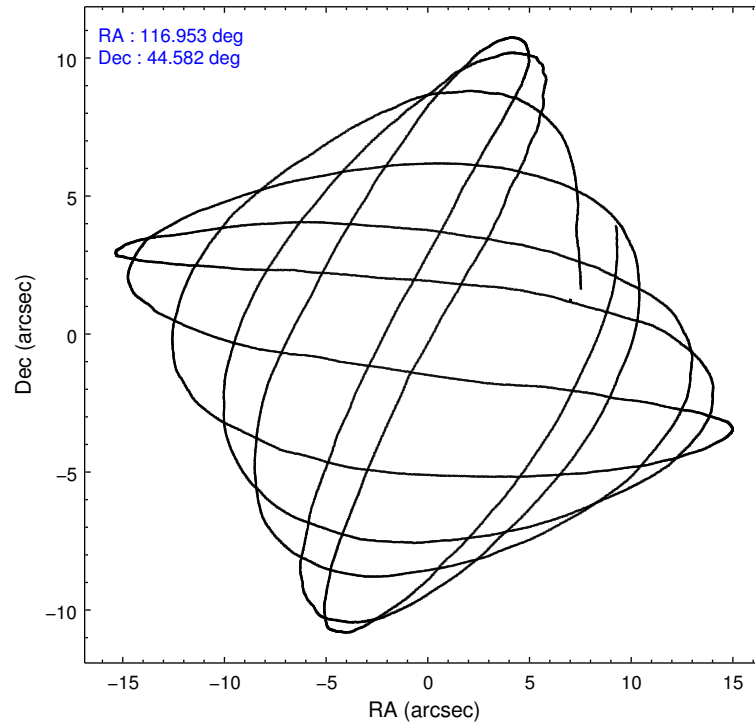
2.1.4 Events

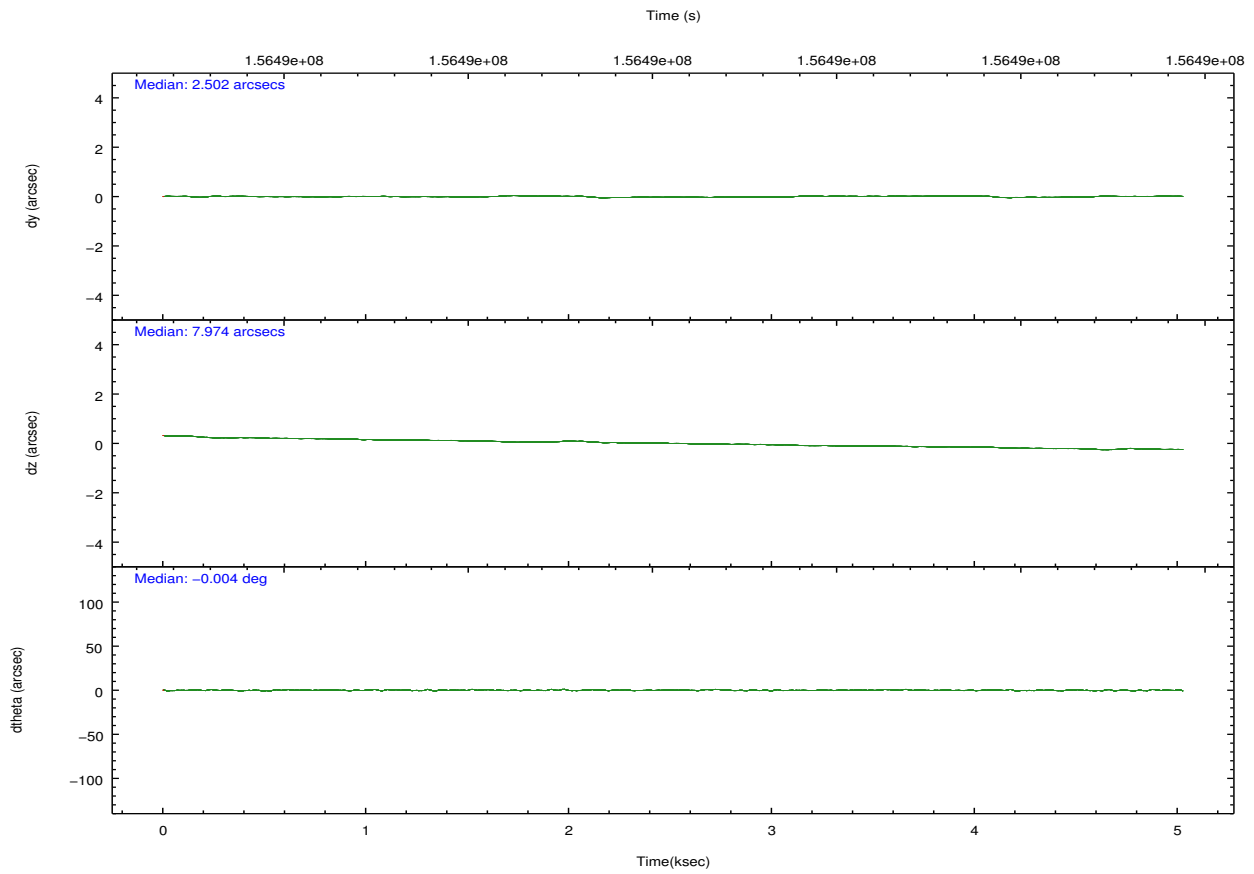
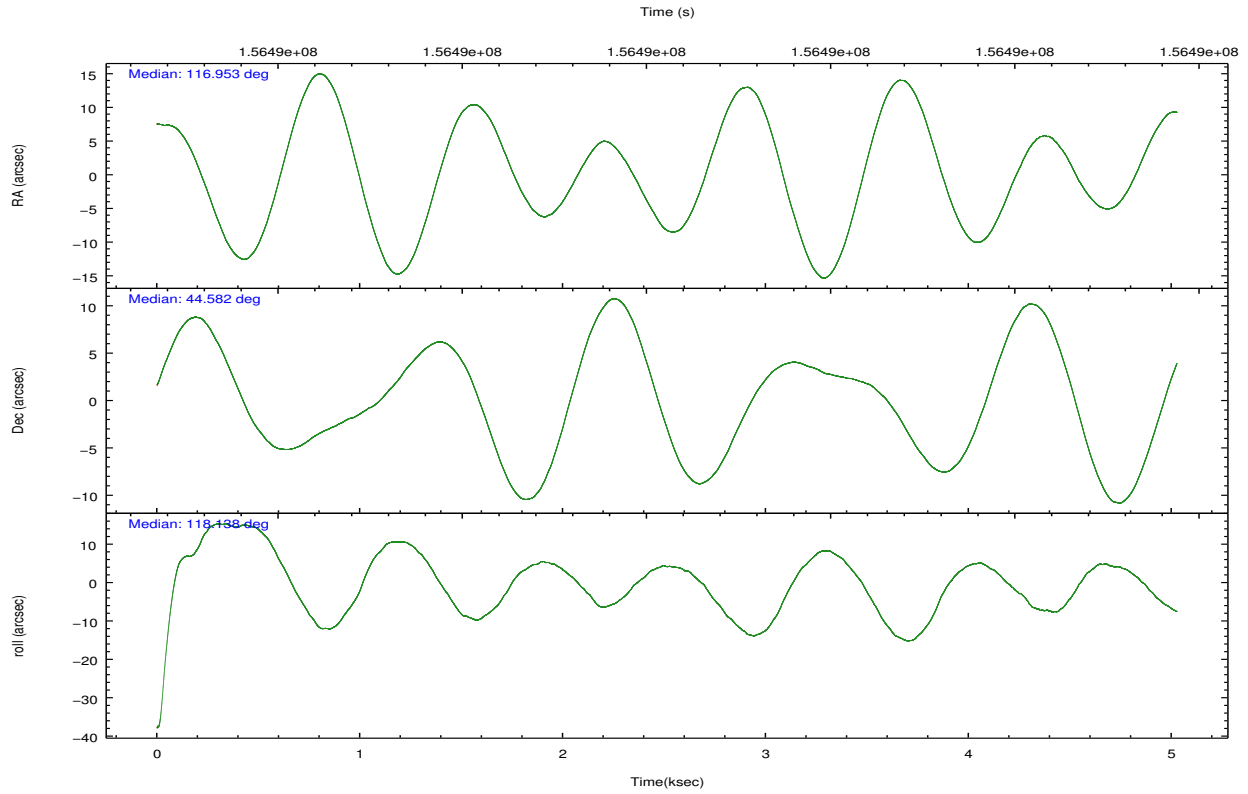
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	29421	26446	40969	29244	37402	36929	grade 0 events	1487	1314	2118	1343	1406	2302
rejected events	26112	23341	21971	25917	21961	30061		5%	4%	5%	4%	3%	6%
rejected %	88%	88%	53%	88%	58%	81%	grade 1 events	11	24	94	11	34	36
								0%	0%	0%	0%	0%	0%
							grade 2 events	661	617	5532	653	3107	1381
								2%	2%	13%	2%	8%	3%
							grade 3 events	322	284	820	326	1398	816
								1%	1%	2%	1%	3%	2%
							grade 4 events	315	318	757	313	1338	797
								1%	1%	1%	1%	3%	2%
							grade 5 events	1113	1180	3029	1262	3524	1524
								3%	4%	7%	4%	9%	4%
							grade 6 events	529	574	9798	695	8210	1578
								1%	2%	23%	2%	21%	4%
							grade 7 events	24983	22135	18821	24641	18385	28495
								84%	83%	45%	84%	49%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	116.985604	116.952881231068	Subarray requested	NONE	NONE
[deg] Pointing Dec	44.567384	44.58142481711938	Alternating exposures requested	N	N
[deg] Pointing Roll	117.959757	118.1392423239482	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	156487788.184000	156487189.83885			
Observation start date	2002-12-17T04:48:44	2002-12-17T04:39:49			
[s] Observation end time (MET)	156492628.184000	156492942.65159			
Observation end date	2002-12-17T06:09:24	2002-12-17T06:15:42			
Read mode	TIMED	TIMED			

2.3 Aspect



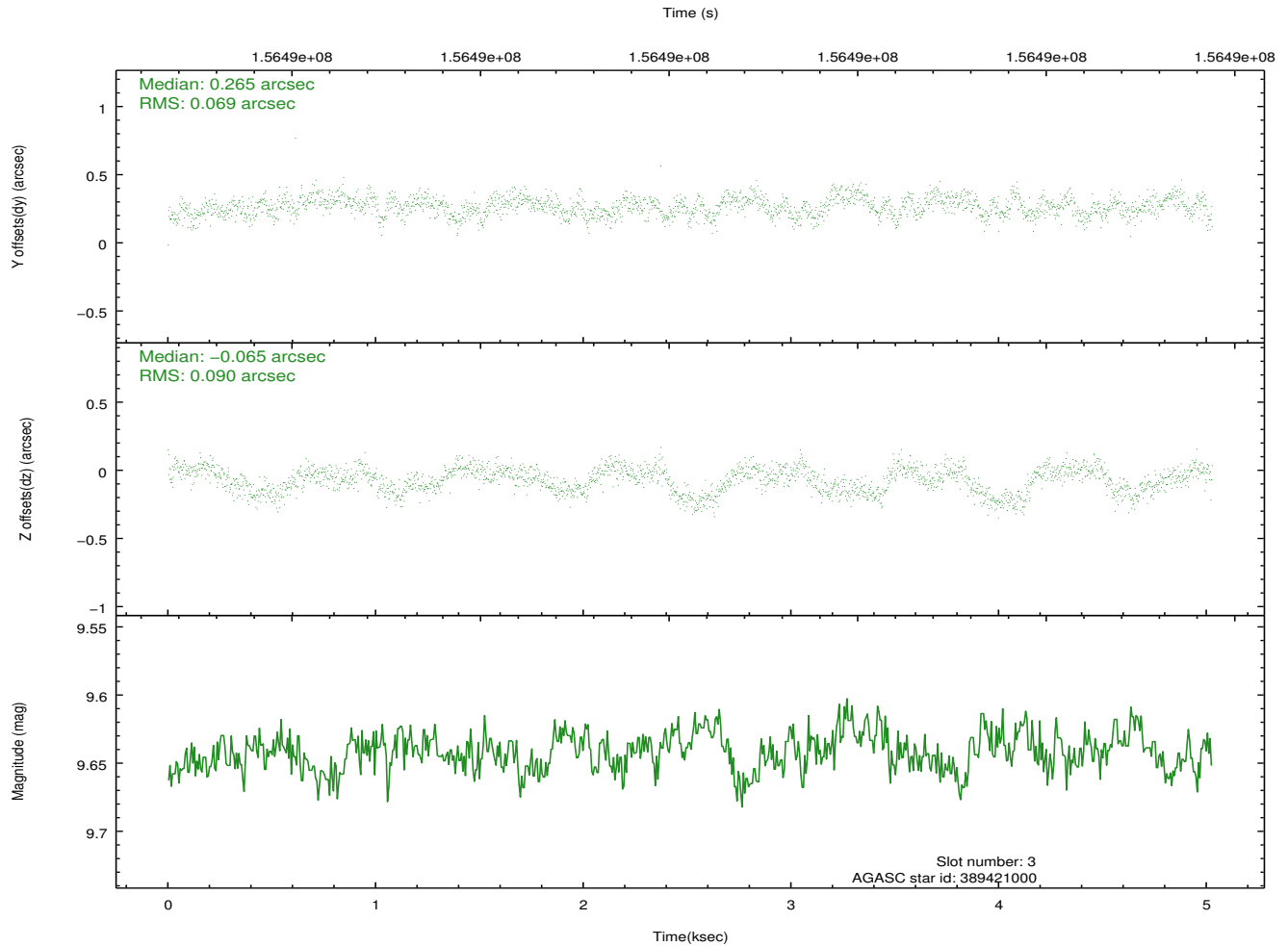
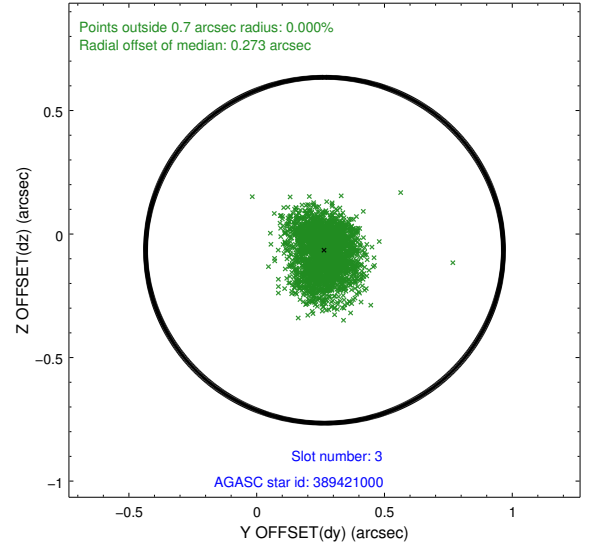
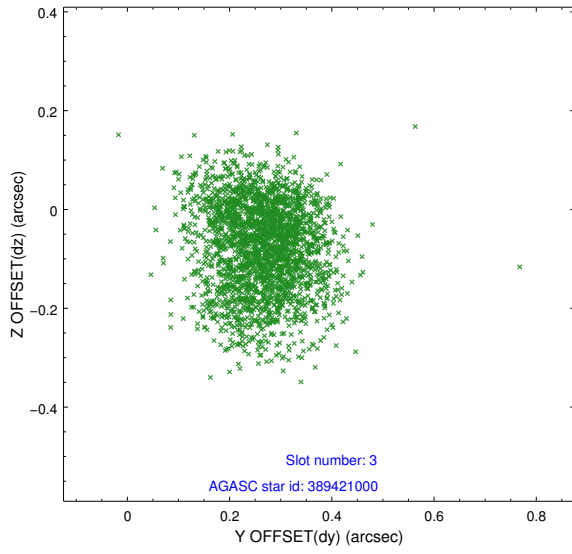


Slot Statistics

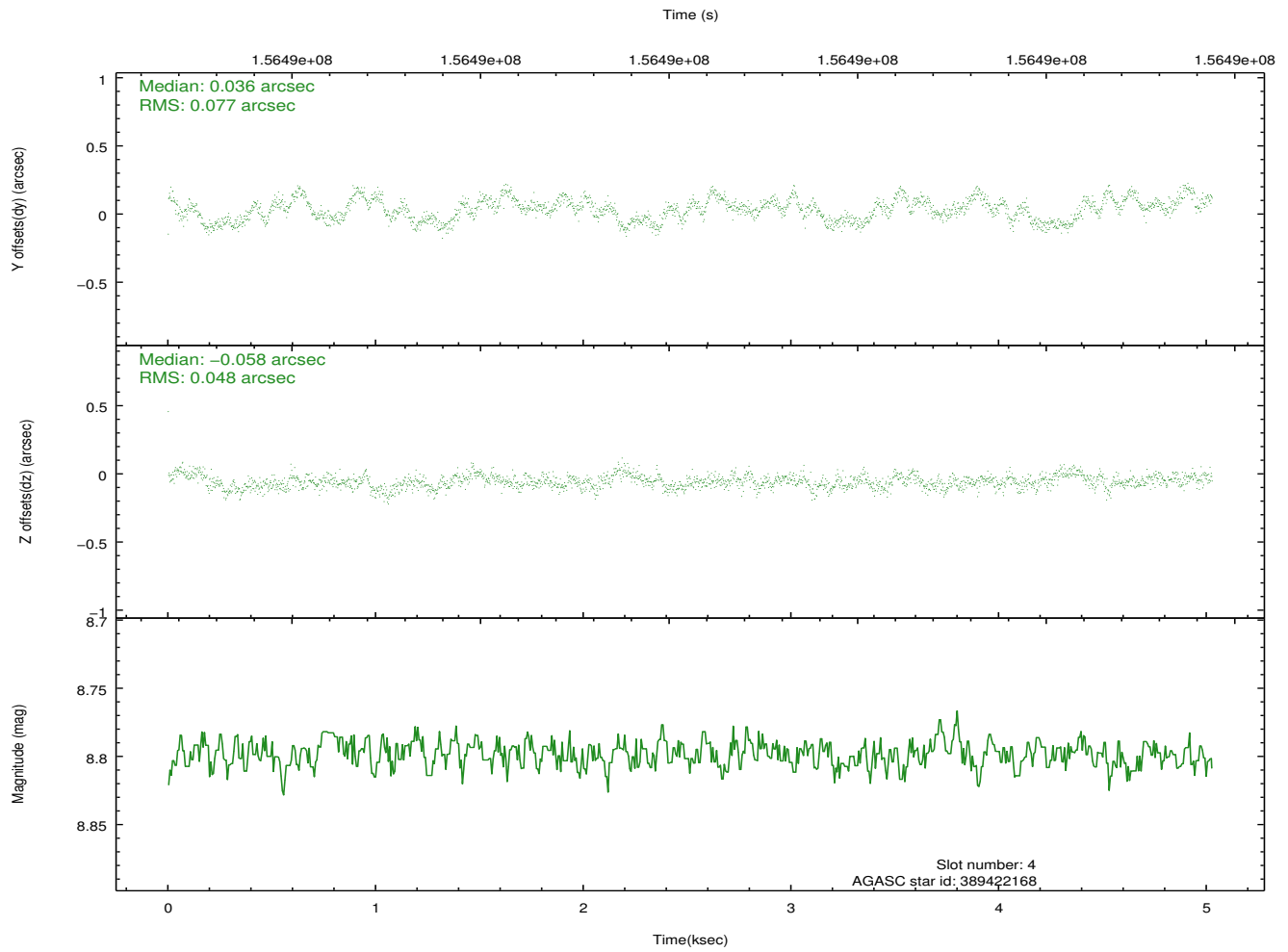
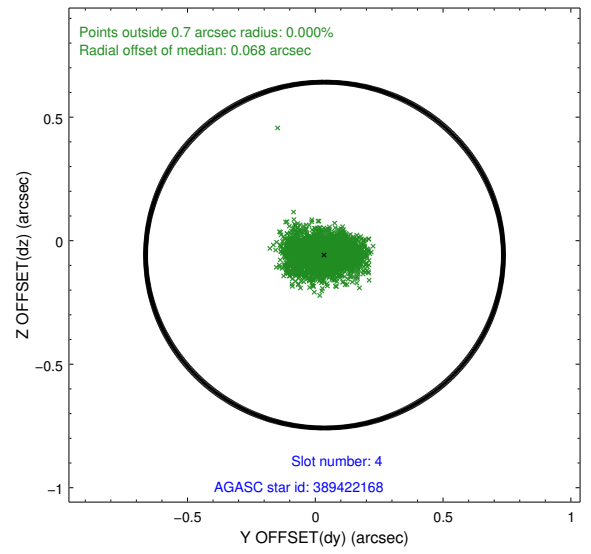
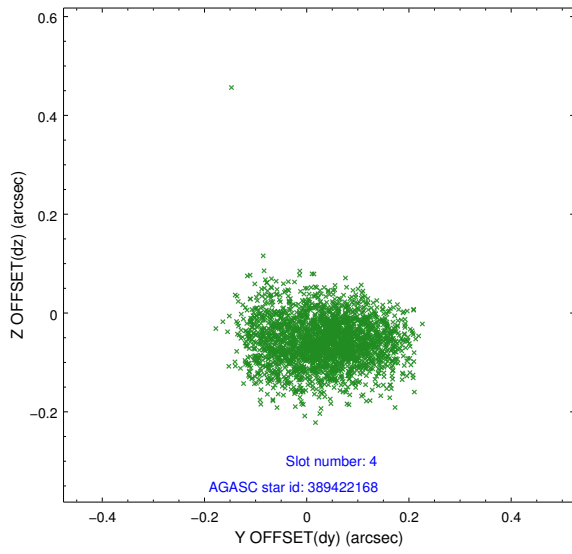
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1227	-0.010	-0.002	0.007	0.011	0.000000	0.000000	-755.15	-1729.11
1	FID	ACIS-S-4	7.20	1227	-0.027	0.005	0.006	0.010	0.000000	0.000000	2157.58	178.11
2	FID	ACIS-S-5	7.24	1227	0.007	0.005	0.008	0.013	0.000000	0.000000	-1806.40	173.19
3	GUIDE	389421000	9.64	2449	0.265	-0.065	0.121	0.194	116.942078	44.105834	-1415.42	879.67
4	GUIDE	389422168	8.80	2452	0.036	-0.058	0.099	0.155	116.329594	44.574758	816.78	1471.98
5	GUIDE	389424120	8.24	2452	0.068	0.025	0.089	0.141	117.387966	44.841855	393.08	-1369.64
6	GUIDE	446564856	9.18	2450	-0.053	-0.020	0.107	0.176	116.831611	45.060649	1751.72	-486.05
7	GUIDE	446564488	9.63	2427	-0.318	0.154	0.289	0.438	116.671617	45.203570	2397.33	-369.77

2.4 Star Slots

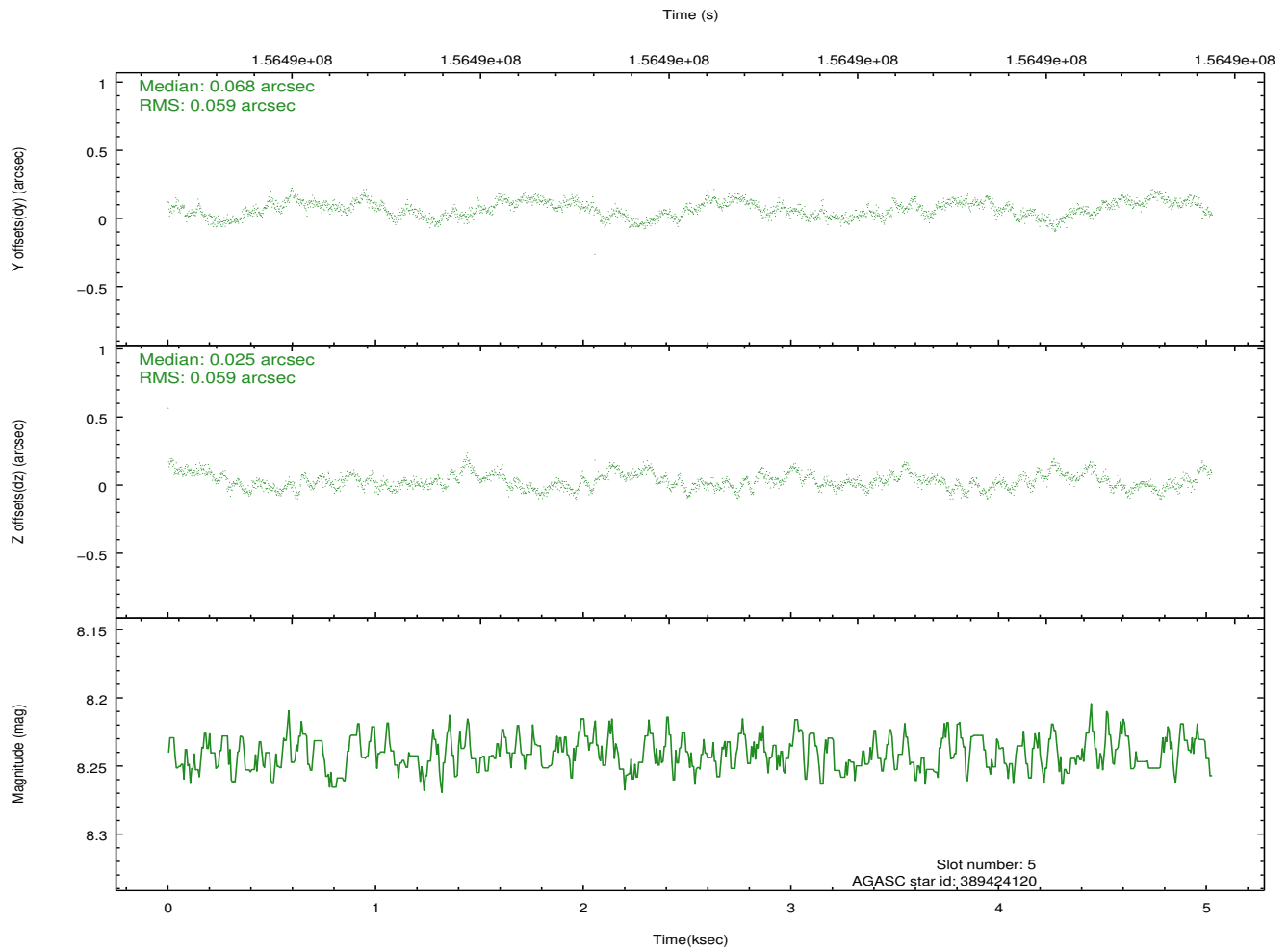
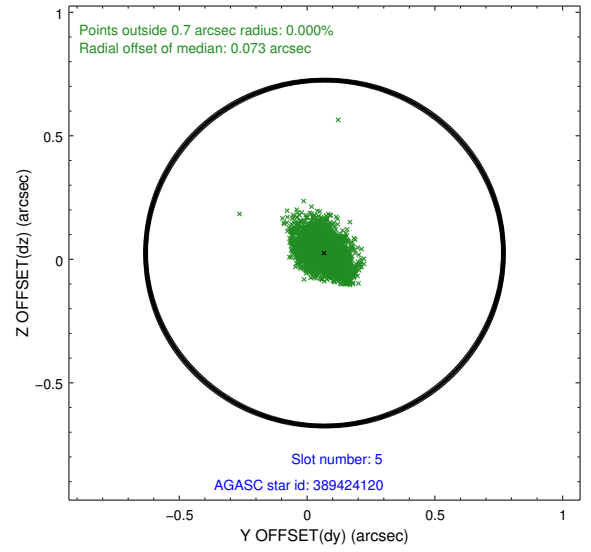
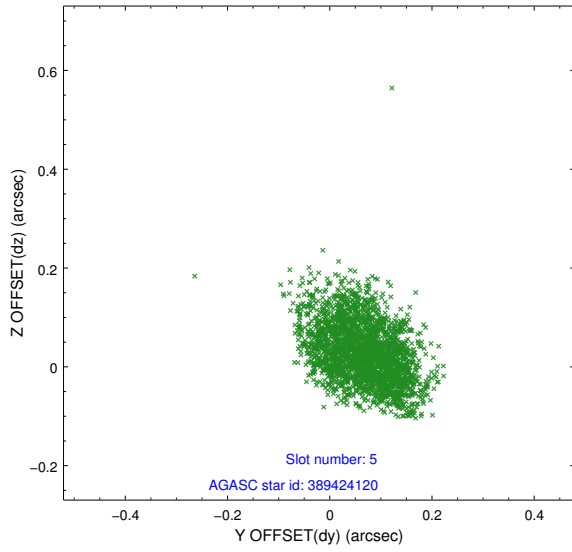
2.4.1 Slot 3



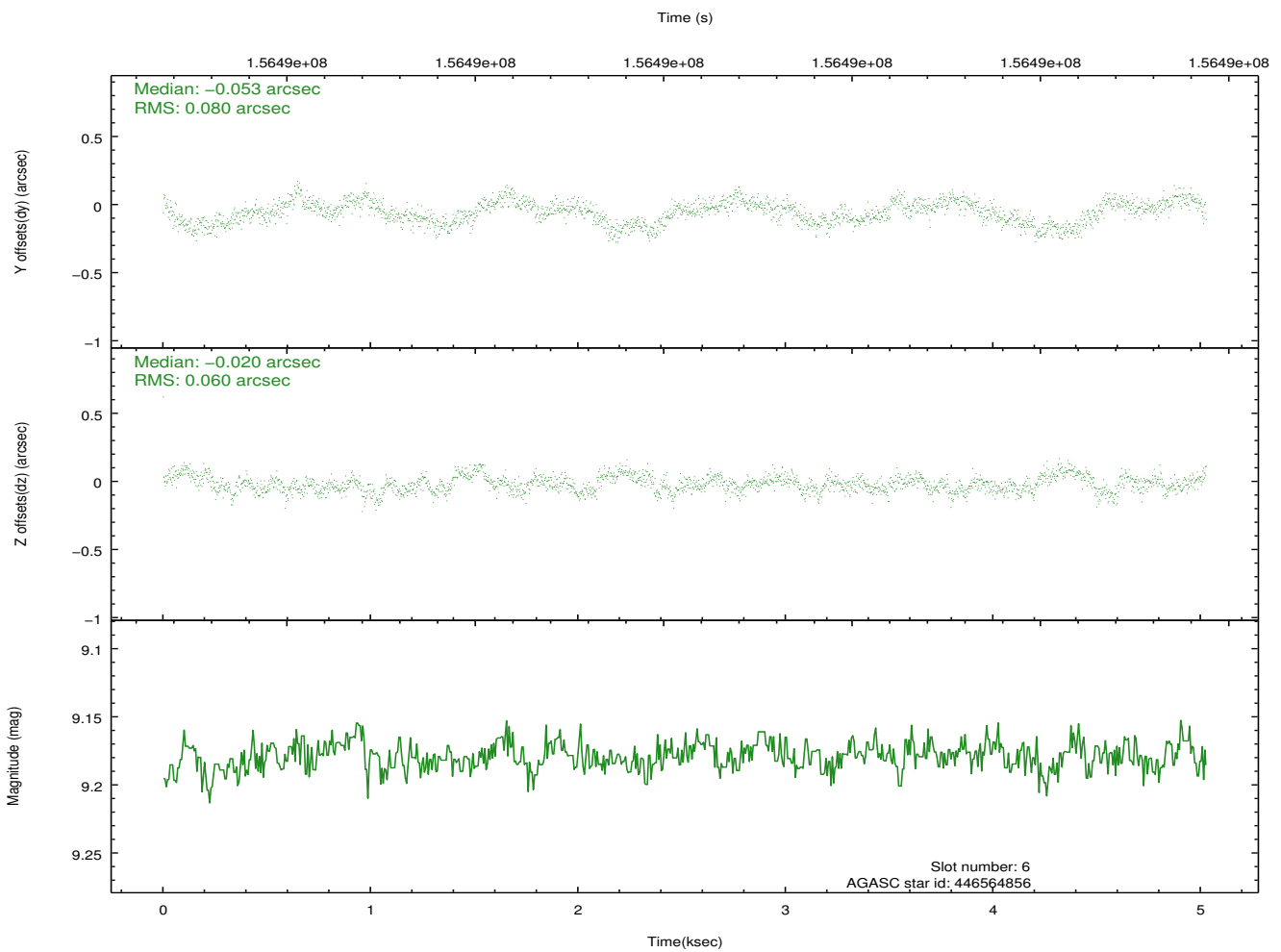
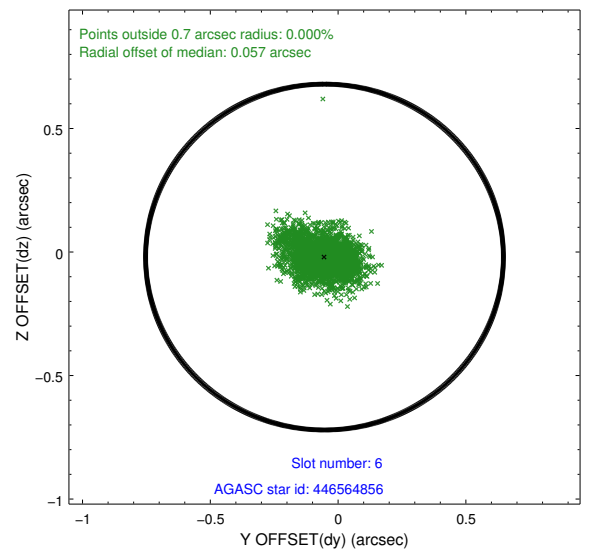
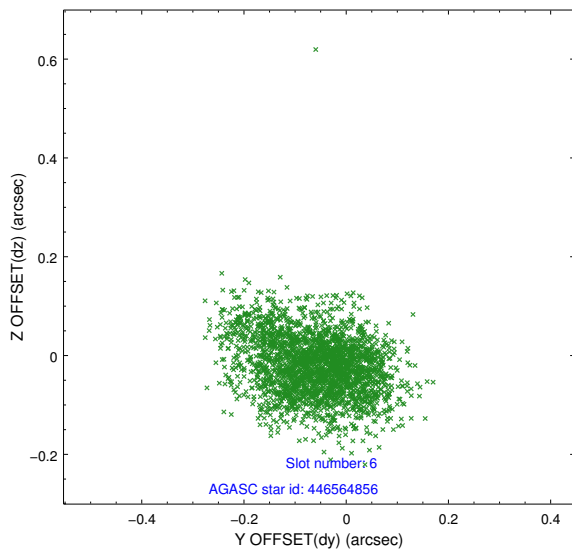
2.4.2 Slot 4



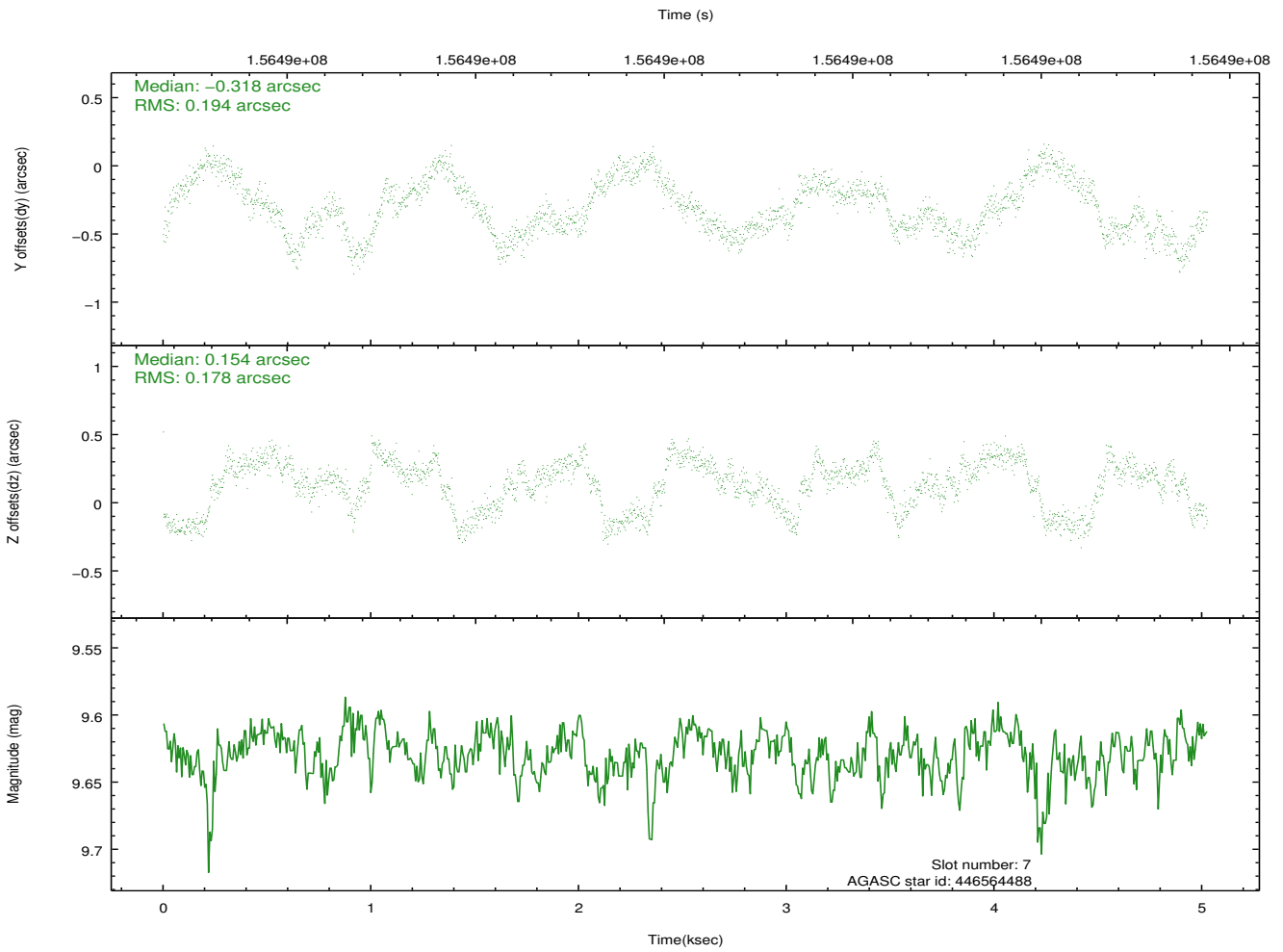
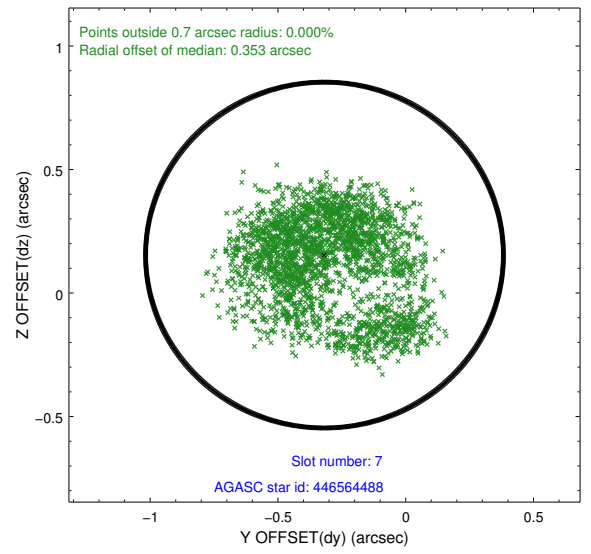
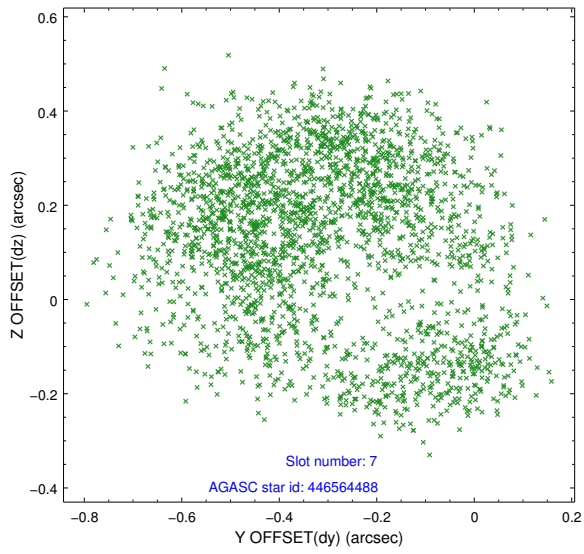
2.4.3 Slot 5



2.4.4 Slot 6

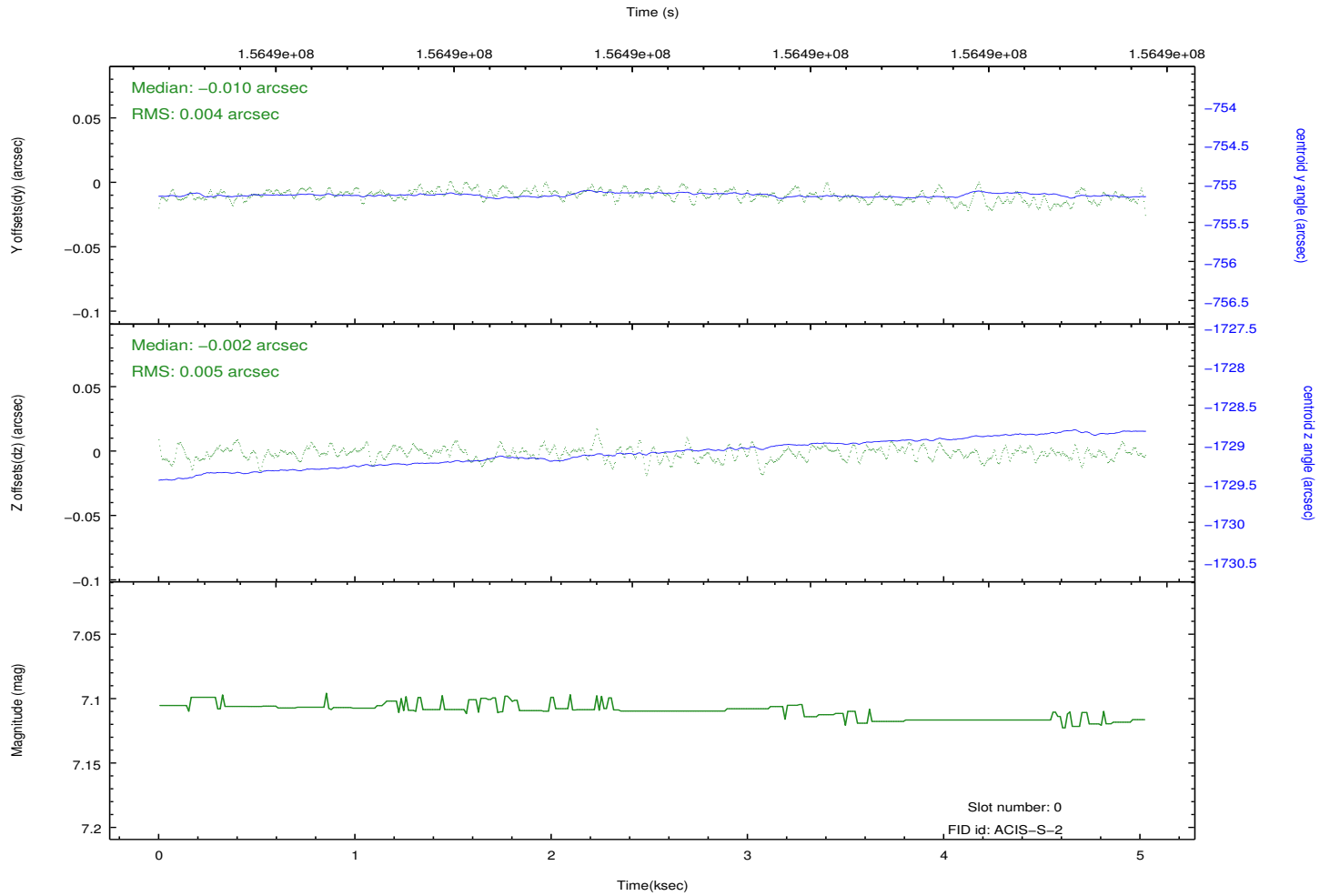
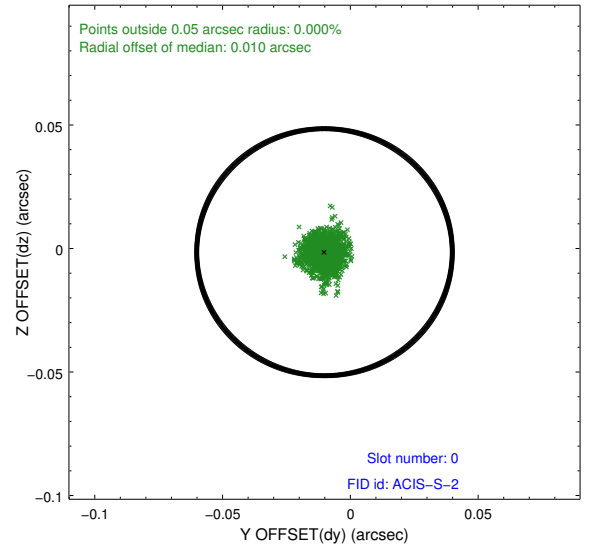
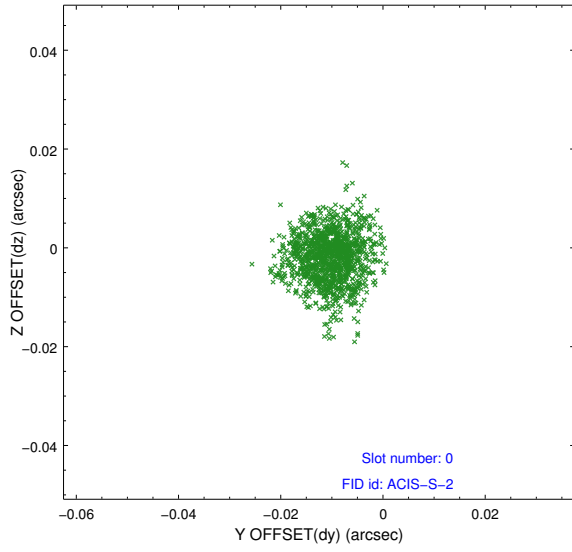


2.4.5 Slot 7

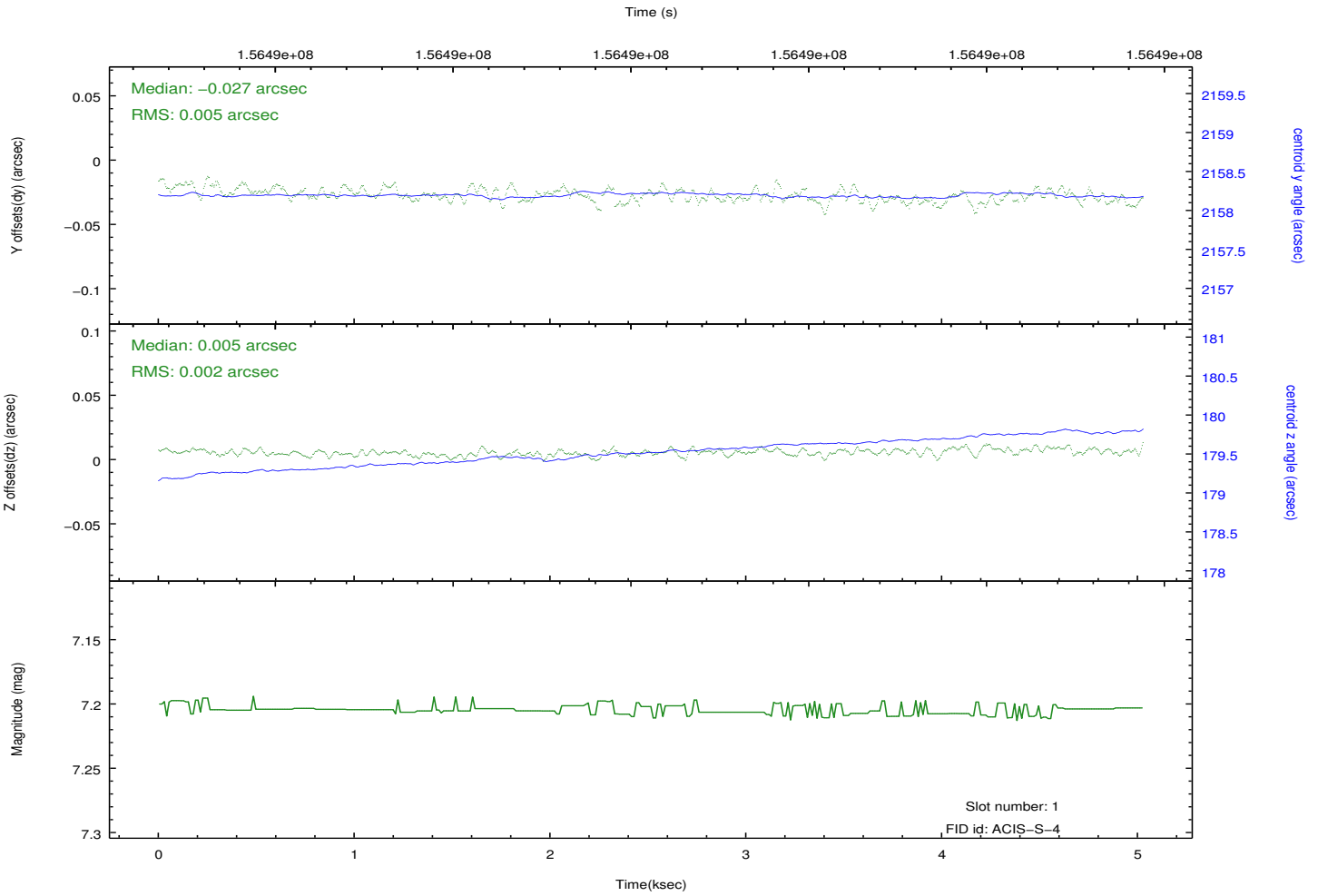
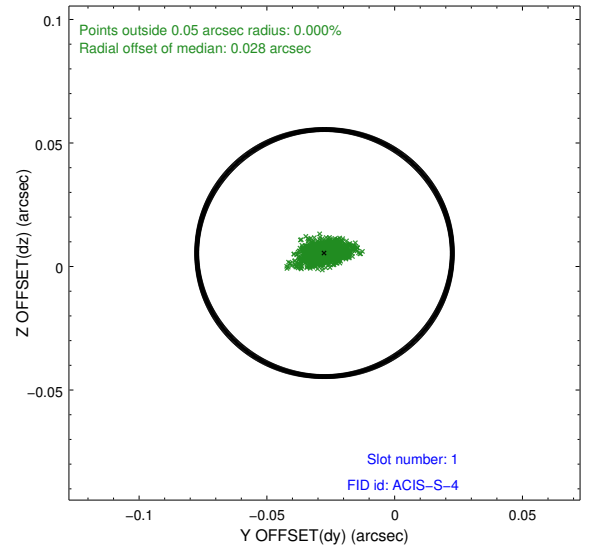
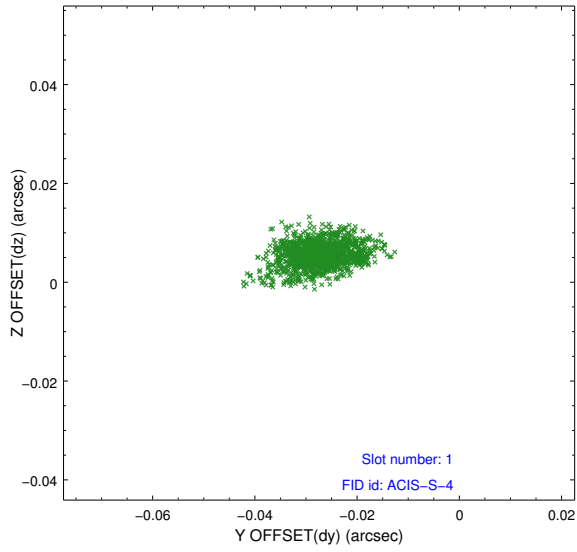


2.5 FID Slots

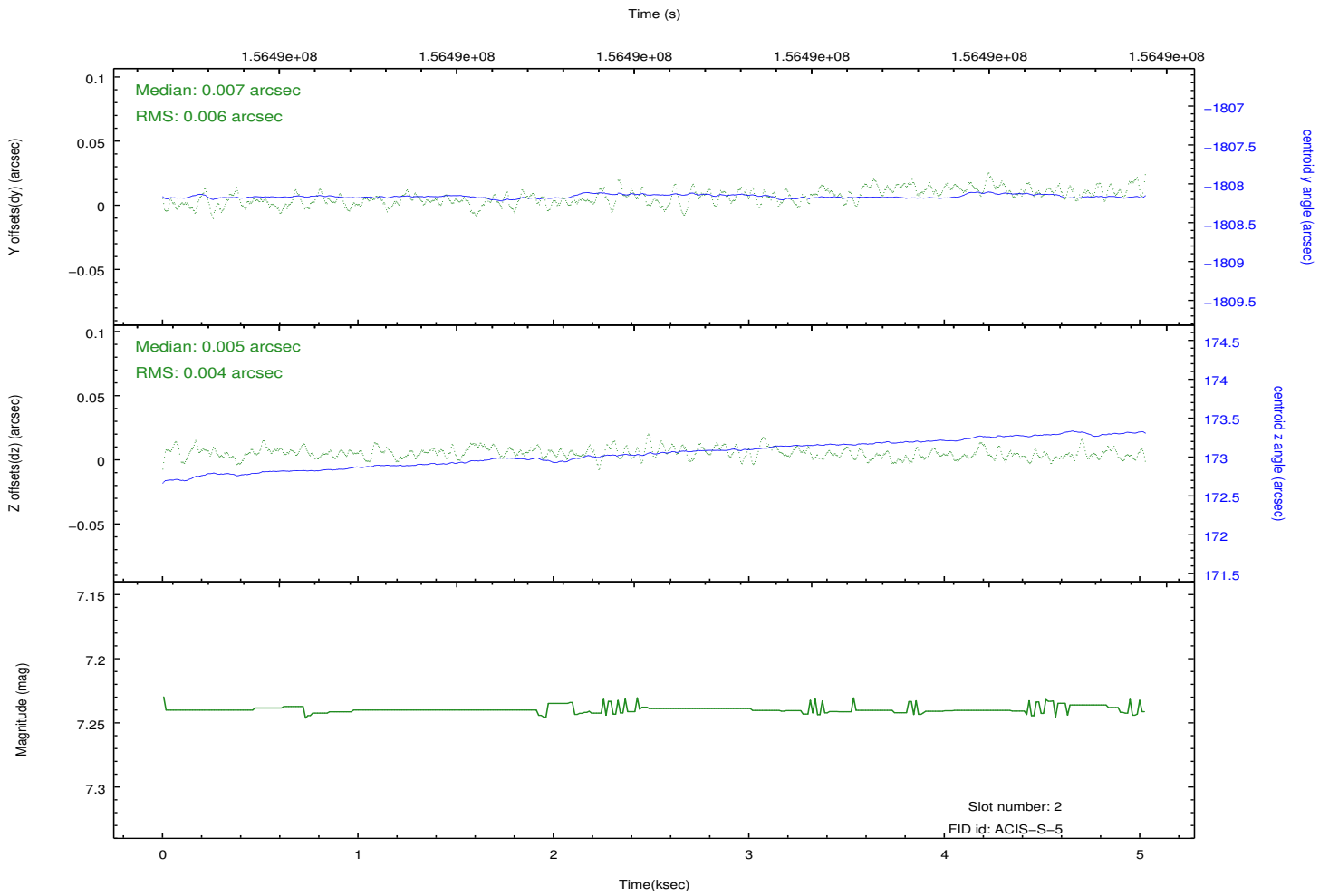
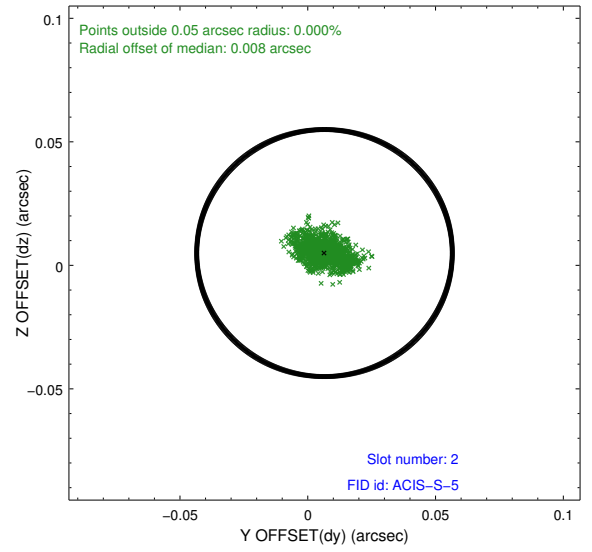
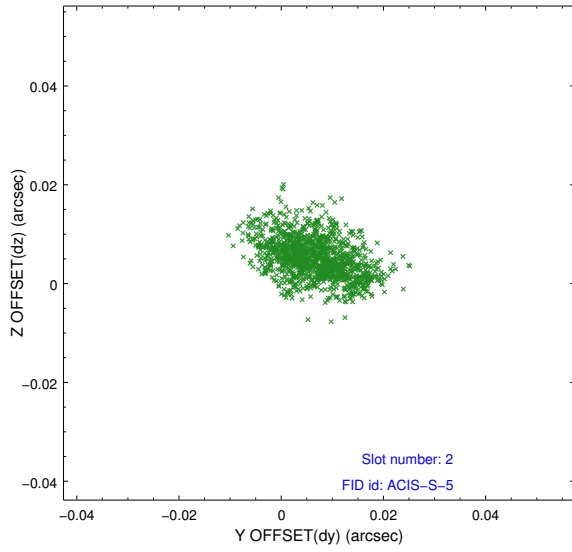
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.595

A.2 Comments